

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application:

LISTING OF CLAIMS:

1. (Currently amended) RFID apparatus comprising:

~~transmission means for transmitting~~ a transmitter operative to transmit an RF signal;

~~reception means for receiving~~ a receiver operative to receive a modulated RF signal; and

~~demodulation means for demodulating~~ a demodulator operative to demodulate a received modulated signal,

wherein the apparatus comprises ~~generating means for generating~~ a generator operative to generate a RF signal dependent on an incoming RF signal, said

incoming RF signal being generated by different apparatus,

and wherein the apparatus is arranged to transmit said generated RF signal such that said generated RF signal interferes with the incoming RF signal.

2. (Currently amended) RFID apparatus according to claim 1, wherein said

~~generating means~~ generator comprises a phase sensitive ~~means~~ detection system responsive to phase in said incoming RF signal.

3. (Currently amended) RFID apparatus according to claim 2, wherein said

~~generating means~~ generator comprises a phase locked loop.

4. (Original) RFID apparatus according to claim 3, wherein the phase locked loop is a second order loop.

5. (Currently amended) RFID apparatus according to claim 3, wherein the phase locked loop comprises a loop filter ~~means~~.

6. (Currently amended) RFID apparatus according to claim 3, wherein the phase locked loop comprises a sample and hold ~~means~~ circuit.

7. (Previously presented) RFID apparatus according to claim 1, wherein said apparatus is arranged to modulate said generated RF signal prior to transmission of said generated RF signal.

8. (Previously presented) RFID apparatus according to claim 1, wherein the apparatus has a first mode of operation and a second mode of operation, wherein the apparatus is arranged such that:

    during said first mode, the apparatus can transmit an RF signal to a first external device and can receive a modulated RF signal from said first external device; and

    during said second mode, the apparatus can generate an RF signal dependent upon an incoming RF signal received from a second external device, and transmit said generated RF signal to said second external device.

9. (Original) RFID apparatus according to claim 8, wherein the first and/or second mode of operation is independently selectable.

10. (Original) RFID apparatus according to claim 9, wherein the mode of operation is selected in dependence on detection of an externally generated RF signal

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11. (Previously presented) RFID apparatus according to claim 8, wherein the apparatus has a default mode of operation, and wherein the default mode of operation is said first mode of operation.

12. (Previously presented) RFID apparatus according to claim 8, wherein the apparatus has a default mode of operation, and wherein the default mode of operation is said second mode of operation.

13. (Previously presented) RFID apparatus according to claim 1, wherein said apparatus comprises an antenna used commonly to both receive said modulated RF signal and to transmit said generated RF signal.

14. (Original) RFID apparatus according to claim 13, wherein said antenna comprises an inductive coupling antenna.

15. (Currently amended) RFID apparatus according to claim 1, wherein said apparatus comprises ~~modulation means for modulating~~ a modulator operative to modulate a carrier signal.

16. (Original) An electrical device incorporating an RFID apparatus according to claim 1.

17. (Original) An electrical device according to claim 16, wherein such electrical device is a mobile communications device, personal computer device, electronic wallet or purse, a vending machine, a watch, an ID device, an electronic ticket device, an access and entry system, a patient identification device or a medical device.

18. (Currently amended) Radio frequency apparatus comprising both the ~~means~~ a circuit operative to respond to radio frequency reader apparatus and ~~means to function~~ a circuit operative to operate as a radio frequency reader device.